## PATENT DRAWING REVIEW NOTICE (Under 37 CFR 1.84 and 1.152)

The drawing(s), filed on 7/12/01, are objected by the USPTO Drawing Standard.

1) Drawings. 1.84(a): Acceptable	8) Arrangement of views. 1.84(i):
categories of drawings: Black ink or	☐ Words do not appear on a horizontal,
Color (3 sets required).	left-to-right fashion when page is either
Color drawings are not acceptable until	upright or turned so that the top becomes
petition is granted. Fig(s)	the right side, except for graphs.
Pencil and non black not permitted.	Fig(s)
	9) Scale. 1.84(k):
Fig(s)	Scale not large enough to show mechanism
2) Photographs. 1.84(b):	without crowding when drawing is reduced
One (1) full tone set is required. Fig(s)	in size to two-thirds in reproduction.
Photographs may not be mounted. 1.84(e).	Fig(s)
Photographs must meet paper size requirements	10) Character of lines, numbers & letters.
of 1.84(f). Fig(s)	1.84(l):
3) <u>Type of paper. 1.84(e):</u>	1.84(1):  Lines, numbers and letters not uniformly
Paper not flexible, strong, white and durable.	thick and well defined, clean, durable and
Fig(s)	
☐ Erasures, alterations, over writings,	black (poor) line quality.
interlineations, folds, copy machine marks not	$\operatorname{Fig}(s)  \underline{1 - 10}$
not accepted. Fig(s)	11) Shading. 1.84(m):
4) Size of paper. 1.84(f):	Solid black areas pale. Fig(s)
Acceptable sizes:	Solid black shading not permitted.
21.0 cm by 29.7 cm (DIN size A4)	Fig(s)
21.6 cm by 27.9 cm (8 ½ x 11 inches)	12) Numbers, letters, & reference characters.
All drawing sheets not the same size.	1.84(p):
Sheet(s)	☐ Numbers and reference characters not plain
Drawing sheets not an acceptable size.	and legible. Fig(s)
Fig(s)	Figure legends are poor. Fig(s) 1 - 10 (see comments)
5) Margins. 1.84(g):	☐ Numbers and reference characters not
Acceptable margins:	oriented in the same direction as the view.
Top 2.5 cm Left 2.5 cm	1.84(p)(1). Fig(s)
Right 1.5 cm Bottom 1.0 cm	☐ English alphabet not used. 1.84(p)(2).
☐ Margins not acceptable: Fig(s)	Fig(s)
Top (T) Left (L)	☐ Numbers, letters and reference characters
Right (R Bottom (B)	must be at least .32 cm (1/8 inch) in height.
6) Views. 1.84(h)	1.84(p)(3). Fig(s)
REMINDER: Specification may require revision to	13) Lead lines. 1.84(q):
Correspond to drawing changes, e.g., if Fig. 1 is	Lead lines missing. Fig(s)
changed to Fig. 1A, Fig. 1B, and Fig. 1C, etc., the	14) Numbering of sheets of drawings. 1.84(t):
specification, at the Brief Description of the	☐ Sheets not numbered consecutively, and in
Drawings, must likewise be changed.	Arabic numbers beginning with number 1.
☑ View not labeled separately or properly.	Fig(s)
Fig(s) 4, 6 and 7	15) Numbering of views. 1.84(p)(u):
7) Sectional views. 1.84(h)(3):	Views not numbered consecutively, and in
Sectional designation should be noted with	Arabic numerals, beginning with number 1.
Arabic or Roman numbers.	Fig(s)
Fig(s)	16) Design drawings. 1.152
0\-/	Surface shading shown not appropriate.
· ·	Fig(s)
	Solid black surface shading is not permitted
	except when used to represent the color black
	as well as color contrast. Fig(s)
	- D(1)
<u> </u>	

## **COMMENTS:**

Brackets must be deleted from fig legends. (Figs 1 - 10)
Height of fig legends must be larger than reference characters. (Figs 1 - 10)
Fig legends must be oriented in same direction as as the views. (Figs 1 - 10)
Fig legends placed farther aprt from views obj. (Figs 1 - 10)

Reviewer: Wm 9 Sale If you have questions, call at 703.305.8404

Date: 4/13/2004 Attachment Paper No: